

#5  
PATENT  
Docket No. 5634.243

Prior Art  
R. Morgan

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors: John C. Harvey and James W.  
Cuddihy

Group Art Unit: 2602

Serial No.: 08/459,788

Examiner:

Filing Date: June 2, 1995

For: Signal Processing Apparatus and  
Methods

Assistant Commissioner of Patents  
Washington D.C. 20231

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**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patent No.</u>
08/113,329	August 30, 1993	Pending
08/056,501	May 3, 1993	5,335,277
07/849,226	March 10, 1992	5,233,654
07/588,126	September 25, 1990	5,109,414
07/096,096	September 11, 1987	4,965,825

Applicants believe that all references cited on the attached PTO 1449 form were cited by or submitted to the PTO in one or more of the case cited above or in U.S. Patent Application Serial No. 06/829,531, filed February 15, 1986 now U.S. Patent No. 4,704,725, U.S. Patent Application Serial No. 06/317,510, filed November 3, 1981 now U.S. Patent No. 4,694,490 and co-pending U.S. Patent Application Serial No. 08/448,143, filed May 23, 1995. Therefore, no copies of the listed references are provided herewith. Additionally, references believed to be dated in the period from November 3, 1981 through September 11, 1987 are included in the present IDS as this application only claims priority to the September 11, 1987 filing date. It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: December 5, 1995

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<b>Supplemental Information Disclosure Statement by Applicant</b>  <b>Title: Signal Processing Apparatus and Methods</b>	Attorney Docket No. 5634.243	Serial No. 08/459,788
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date June 2, 1995	Group 2602

**U. S. Patent Documents**

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	2,510,046	5/30/50	Ellett, et al.	178/5.6	
	2,619,530	11/25/52	Roschke	178/5.1	
	2,892,882	6/30/59	Hughes	178/5.1	
	2,972,008	2/14/61	Ridenour, et al.	178/5.1	
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	3,336,437	8/15/67	Brouard, et al.	178/5.4	
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	4,400,717	8/23/83	Southworth, et al.	358/13	
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\*- If pertinent

\*\*\*- Claims priority from parent application filed prior to Sep. 11, 1987.

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### Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation Yes	Translation No
	WO 85/03604	8/15/85	PCT Application	H03K 3/84		X
	0 132 007	1/23/85	European Patent Office	H04N 7/16		X
	2 033 699	5/21/80	Great Britain	H04L 1/10, 1/40		X
	2 058 681	6/15/72	Germany	H04N 7/08	X	
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<b>Supplemental Information Disclosure Statement by Applicant</b>	Attorney Docket No. 5634.243	Serial No. 08/459,788
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date June 2, 1995	Group 2602

**Title: Signal Processing  
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	4,589,064	5/13/86	Chiba et al.	364/200	
	4,590,516	5/20/86	Abraham	358/86	

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<b>Information Disclosure Statement by Applicant</b>  <b>Title: Signal Processing Apparatus and Method</b>	Attorney Docket No. 5634.243	Serial No. 08/459,788
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date June 2, 1995	Group 2602

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Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
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	4,591,664	5/27/86	Freeman	179/6.06	
	4,591,906	5/27/86	Morales-Garza et al.	358/84	
	4,592,546	6/3/86	Fascenda et al.	273/1 E	
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	4,595,950	6/17/86	Löfberg	358/122	
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	4,638,181	1/20/87	Deiss	307/243	
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	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date June 2, 1995	Group 2602

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	4,712,105	12/8/87	Köhler	340/825.69	4/30/85
	4,712,238	12/8/87	Gilhausen et al.	380/20	6/8/84
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	4,722,526	2/2/88	Tovar et al.	273/1 E	1/20/87
	4,724,491	2/9/88	Lambert	358/310	8/28/84
	4,725,886	2/16/88	Galumbeck et al.	358/147	4/21/83
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<b>Title: Signal Processing Apparatus and Method</b>		

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	4,805,014	2/14/89	Sahara et al.	358/86	9/14/87***
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	4,813,011	3/14/89	Kulakowski et al.	364/900	5/13/85
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	Applicant(s) John C. Harvey and James W. Cuddihy	
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<b>Title: Signal Processing Apparatus and Method</b>		

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	4,908,713	3/13/90	Levine	358/335	6/29/88***
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	5,010,571	4/23/91	Katznelson	380/4	9/10/86
	5,034,807	7/23/91	Von Kohorn	358/84	10/19/89***
	5,036,537	7/30/91	Jeffers et al.	380/20	4/3/87
	5,045,848	9/3/91	Fascenda	340/825.26	9/29/87***
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<b>Title: Signal Processing Apparatus and Method</b>		

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Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
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\*- If pertinent

\*\*\*- Claims priority from parent application filed prior to Sep. 11, 1987.

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Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation Yes	Translation No
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Examiner	Date Considered
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<b>Title: Signal Processing Apparatus and Method</b>		

	0 103 438 A1	3/21/84	European Patent Appl.	H04N 7/10		X
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	Tunmann, Ernest O. (TELE-ENGINEERING CORPORATION), "TWO-WAY CABLE TV TECHNOLOGIES," <u>CABLE '82</u> , pp. 7-15.
	Dickinson, Robert V.C. (E-COM CORPORATION), "Carriage of Multiple One-Way and Interactive Service on CATV Networks," <u>CABLE '82</u> , pp. 16-21.
	McNamara, R.P. et al. (Sytek, Incorporated), "MetroNet: An Overview of a CATV Regional Data Network," <u>CABLE '82</u> , pp. 22-31.
	Eissler, Charles (Oak Communications Systems), "Addressable Control for the Small System," <u>CABLE '82</u> , pp. 32-36.
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	Thomas, William L. (Zenith Radio Corporation), "Full Field Tiered Addressable Teletext," <u>CABLE '82</u> , pp. 44-46.
	Langley, Don et al. (University of Cincinnati and Rice-Richter Associates), "Interactive Split Screen Teleconferencing," <u>CABLE '82</u> , pp. 47-50.
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	Filing Date June 2, 1995	Group 2602
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<b>Information Disclosure Statement by Applicant</b>  <b>Title: Signal Processing Apparatus and Method</b>	Attorney Docket No. 5634.243	Serial No. 08/459,788
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date June 2, 1995	Group 2602

### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	"Technical Specifications For Hardware And Software Products," Online Products Corporation, 9 pages.
	"Museum Image Series," product information, ONLINE Products Corporation, 2 pages.
	"OMEGA VISION," product description, Omega Management Group Corp., 2 pages.
	"VISAGE Visual Information Systems," Interactive Video Products, brochure, Visage, Inc.
	"Now The Future Is Clear," Visage Visual Information Systems, brochure, Visage, Inc., 4 pages.
	"Speak Through The Power Of Today's Technology," QUEST, product description, Allen Communication, 4 pages.
	"Universal Video Controller," product description, Allen Communication, 2 pages.
	"Video-Microcomputer Interface," product description, Allen Communication, 2 pages.
	"The Leader In Interactive Video," advertisement, Allen Communication, 2 pages.
	"Allen Communication Price List," Allen Communication, 1 page.
	"TOUCHÉ Interactive videodisc training by IIAT," advertisement, IIAT, International Institute of Applied Technology, Inc., 1 page.
	"TOUCHÉ Interactive Videodisc System," product description, IIAT, International Institute of Applied Technology, Inc., 2 pages.

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	"IIAT ST-1000A IIAT Training Station," product description, IIAT, International Institute of Applied Technology, Inc., 2 pages.
	"IIAT ST-1000B IIAT Training Station," product description, IIAT, International Institute of Applied Technology, Inc., 2 pages.
	"IIAT International Institute of Applied Technology, Inc.," company description, 4 pages.
	"PILOT plus Course Authoring Interpreter," IIAT Products, product description, 1 page.
	"Touch Monitor/Videodisc Player Interface Card and Video Switch Box," IIAT Products, product description, 1 page.
	"Touch Sensitive Monitor Interface Card for Apple II," IIAT Products, product description, 1 page.
	"Touchpoint, A Total Eclipse of Existing Technology," product description, Allen Communication, 2 pages.
	"Totally Integrated Interactive System - TII-PC," product description, Allen Communication, 2 pages.
	"Most Valuable Peripheral," product description, Allen Communication, 2 pages.
	"Allen Communication Introduces Integrated Interactive Video Systems," brochure, 2 pages.
	"Automation, Control and Monitoring Systems," brochure, Jasmin Electronics Limited.
	"jasmin," company brochure, Jasmin Electronics Limited, 4 pages.
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	"jasmin Teletext Systems," advertisement, Jasmin Electronics Limited, 4 pages.
	"jasmin Process Control Systems," advertisement, Jasmin Electronics Limited, 4 pages.
	"Teleprompter of Denver Channel Line Up," 2 pages.
	"City of Seal Beach Channel Utilization Guide," 3 pages.
	"V: Link 1910: The Single-Slot VGA Interactive Video Solution," product description, Visage, Inc., 4 pages.
	"The OASYS Authoring System," advertisement, ONLINE Computer Systems, Inc., 1 page.
	"Advertisers Guide to Cable TV Terms," brochure, Cable Ad Associates, Inc.
	"Cable Audience Measurement Study," A Prospectus based upon recommendations of the Ad Hoc Cable Measurement Committee, pamphlet.
	Kane, Sharyn et al., "Technology in the First Person," reprint from Delta Air Lines' SKY magazine, 4 pages.
	"Training Systems," brochure, WICAT systems, Training Systems Division, 4 pages.
	"The Consultant," advertisement, CO-OPPORTUNITIES, Sales Development Information Systems, a division of Jefferson-Pilot Communications Company.
	"Introducing SPOT DATA," "Cable Ad Sales Just Got Better," advertisement, TV Data Technologies, 4 pages.

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### Other Documents

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	"Do You Want to be Making \$5-\$10 a Subscriber - Right Now?" "Join Us in Our Success!", advertisement, Multi-Image Systems, 1 page.
	"Mediastar," "the message is clear," brochure, Multi-Image Systems, 6 pages.
	"Art To Go" "The Business Builder in a Box," advertisement, Multi-Image Systems, 1 page.
	"Few Things In Life Work As Well As TAPSCAN," advertisement, TAPSCAN Incorporated, 6 pages.
	"Dow Jones Cable News Service Daily Features Financial Markets," product summary, 1 page.
	"Financial News Network The Business Connection," brochure, Financial News Network, 8 pages.
	"The Financial News Network Means Business," advertisement, The Financial News Network, 1 page.
	"The Dawn of a New Era in Financial News Broadcasting," advertisement, Financial News Network, 1 page.
	"FNN Financial News Network," advertisement, brief review of research from the Stanford Research Institute's VALS study, and research from ELRA Group Cablemark Reports Volume I, 4 pages.
	"Industrial Skills Training With The Touch Of A Finger . . . Introducing . . . Activ," Advanced Concepts in Touch-Interactive Video, advertisement, Industrial Training Corporation, 4 pages.

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	"eca," brochure, Effective Communication Arts, Inc., 4 pages.
	"ODC 612 Encoder/Generator," product description, Optical Disc Corporation, 2 pages.
	"... the Recordable Laser Videodisc - RLV," product description, Optical Disc Corporation, 2 pages.
	"ODC 610 Videodisc Recording System," product description, Optical Disc Corporation, 2 pages.
	"Hitachi New CD-ROM Drive CDR-2500," product description, Hitachi, Ltd., 2 pages.
	"Hitachi CD-ROM Drive CDR-1502S," product description, Hitachi, Ltd., 6 pages.

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